muratec

Twin Spindle CNC Chucker
MW50

The newly-designed, high-speed loader
Loading / Unloading time : 2.6 seconds

Loader

Minimum cycle time

Single loader
14.1 sec.

Twin loader
7.6 sec.

Solutions for short time cycle production

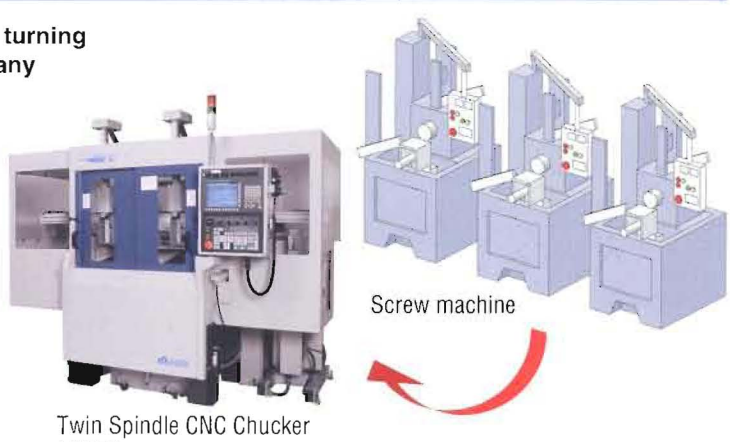
Conventional type gantry loader is also available.

Loading/unloading time is the time required for the loader Y-axis to move from above the shutter door into the work envelope to each workpiece and then return to above the shutter door.

For simple part shapes such as small bearings, rings, etc., the turning operation uses fewer tools. For these cases, the MW50 has many features/ functions to meet those requirements that replace a screw machine with a NC turning machine.

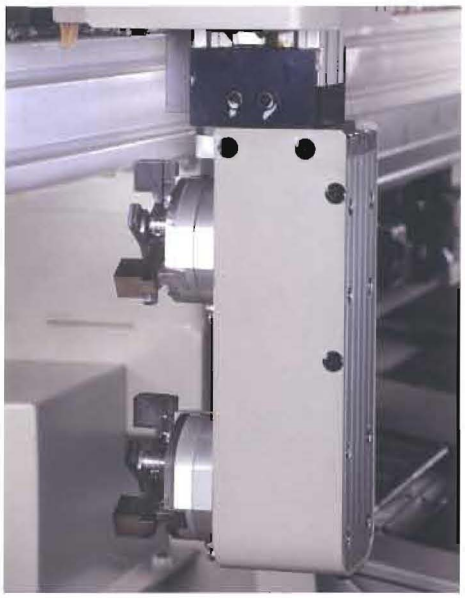
Reduction in cycle time

1. Newly-designed, high speed gantry loader decreases the loading time by 43%.
2. Reduction in cutting time with the highest cutting ability of its class.
3. Gang-tooling construction eliminates non-cutting time.



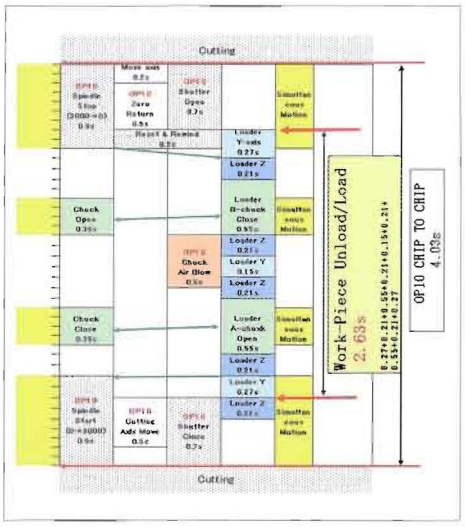
MURATA MACHINERY, LTD.

MW50
Twin Spindle CNC Chucker



MW50 loader speed is increased due to the weight reduction of the loader head

MW50 has been designed to suit customer's requirements with functions limited.



MURATEC has developed operation timing between the turning machine and the loader.

Based on Muratec's vast automation experience, the unique time-saving know-how permits a reduction in loading time.

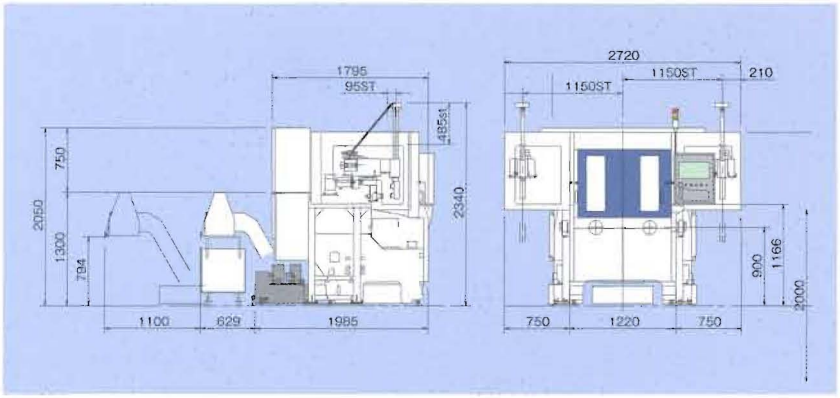
MW50 has the highest cutting capacity in the 6" chuck class.

Material : SUJ2
Cutting Speed : 250 m/min.
Feed : 0.3 mm/rev
Depth of Cut : 0.8 mm

Specifications (MW50 short cycle time spec.)

Workpiece size		ø50 mm x 50 L mm
Chuck size		6inch (ø165 mm)
Spindle diameter at front bearing mounting		ø80 mm
Spindle drive motor		7.5 kW/30min
Tool plate		Tool plate x 2
Spec. of axes	X-axis	200 mm (18 m/min)
	Z-axis	200 mm (24 m/min)
Spindle speed range		6,000 rpm
Use tool	O.D tool	□20 mm
	I.D tool	ø25 mm
Foot print		1,220 mm x 1,985 mm
Total weight		3,400 kg

Floor Plan



EXTERNAL COLOR

light gray/gray blue
Other colors available on special order.

* Machine appearance may differ to that shown in the catalogue pictures
* All specifications are subject to change without advanced notice

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ISO 9001
ISO 14001
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Certification

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